

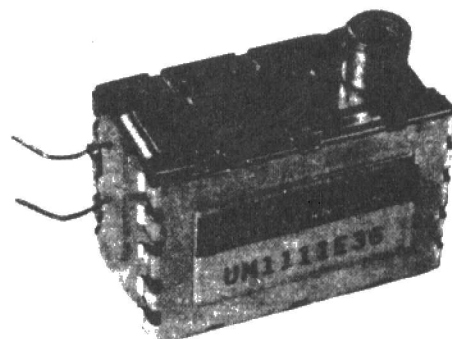
UM1111E36

VHF TV RF MODULATOR



FEATURES

- * LOW COST
- * PRETUNED TO EUROPEAN CH. 36
- * FOR B/W APPLICATIONS
- * LOW RF RADIATION
- * NEGATIVE TRANSFER CHARACTERISTIC
- * WIDE VOLTAGE SUPPLY RANGE : 5 - 10V
(TYP. +6.5V)
- * LOW CURRENT DRAIN TYP. 1mA
- * 75 OHM OUTPUT FROM A STANDARD PHONO SOCKET
- * RUGGED PACKAGE
- * DESIGNED FOR PCB INSERTION

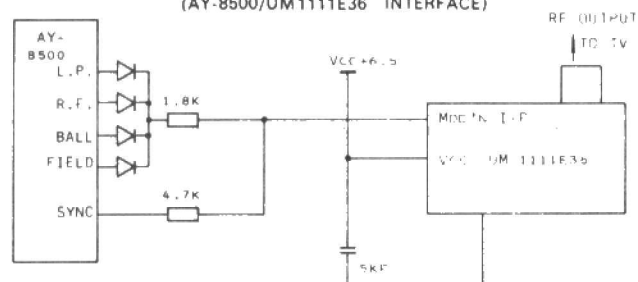


THIS COMPACT, PRETUNED UHF MODULATOR HAS BEEN DESIGNED TO BE USED AS A PRINTED CIRCUIT DROP-IN COMPONENT IN BLACK & WHITE TV GAMES OR SIMILAR CONSUMER PRODUCTS.

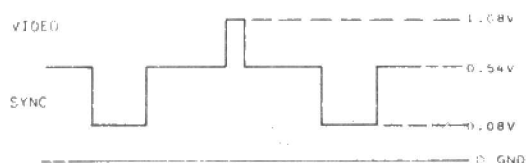
THE MODULATOR ACCEPTS A DC COUPLED MODULATION INPUT TO GIVE A NEGATIVE TRANSFER CHARACTERISTIC; THAT IS AN INCREASE IN MODULATION INPUT VOLTAGE WILL CAUSE A DECREASE IN OUTPUT.

CONNECTION DIAGRAM

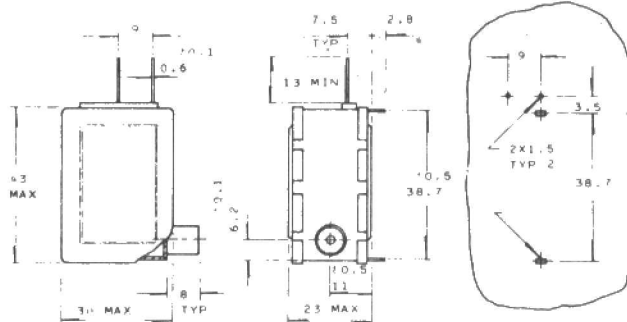
(AY-8500/UM1111E36 INTERFACE)



TYPICAL MODULATION INPUT VOLTAGE SETUP



OUTLINE DRAWING



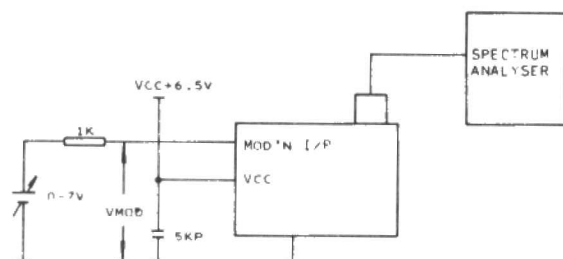
RECOMMENDED
P.C.B. HOLE CENTRES
(TRACK)

UM 1111E36 CHARACTERISTICS

VCC = 6.5V \pm 0.2V, TA = 25°C

| <u>SYMBOL</u> | <u>DESCRIPTION</u> | <u>TYP.</u> | <u>UNIT</u> |
|---------------|-----------------------------|-------------|----------------------|
| FC (E36) | VISION CARRIER | 591.5 | MHZ \pm 0.5 |
| ICC | SUPPLY CURRENT | 1 | MA |
| VO (HI) | RF OUTPUT, VMOD = 0 | 4 | MV |
| VO (LO) | RF OUTPUT, VMOD = 1.5 | -20 | DB W.R.T. VO (HI) |
| RIN (MOD) | MODULATION INPUT RESISTANCE | 700 | OHM |
| VOSC MIN | OSCILLATOR STOP VOLTAGE | 2.0 | VOLT |

TEST CIRCUIT



STANDARD PACKING

500 MODULATORS TO A SHIPPING CARTON

SHIPPING CARTON :

SIZE : 46X30.5X43 CM.

VOLUME : 0.06 CU.M.

GROSS WT. : 22 KG.

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